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1 5 10 15 20 25 30 35 40
Aβ1-42 DAEFRHDSGYEVHHQKLVFFAEDVGSNKGAIIGLMVGGVVIA
Aβ1-40 DAEFRHDSGYEVHHQKLVFFAEDVGSNKGAIIGLMVGGV
GSNKGAIIGLM
Aβ25-35 (neurotoxic domain)
KLVFF
Aβ16-20 (aggregation domain)

Aβ1-30 DAEFRHDSGYEVHHQKLVFFAEDVGSNKG

H
 |
 $\text{H}_3\text{N}^+-\text{C}-\text{C}(=\text{O})\text{O}^-$
 |
 CH_2
 |
 CH_2
 |
 $\text{C}(=\text{O})-\text{NH}-(\text{CH}_2)_4-\text{NH}_3^+$

Glutamyl-4-aminobutane

3 7 11 2223
 ↓ ↓ ↓ ↓
 Q Q Q Q
 (CH₂)₄ (CH₂)₄ (CH₂)₄ (CH₂)₄
 | | | |
 NH₃⁺ NH₃⁺ NH₃⁺ NH₃⁺
 ↓
 N
 |
 (CH₂)₄
 |
 NH₃⁺

[E3,11,22→Q-4ab] [D7, 23→N-4ab] Aβ1-30
 [N-4ab/Q-4ab]Aβ30

E → Q; Glu → Gln
 D → N; Asp → Asn

H
 |
 $\text{H}_3\text{N}^+-\text{C}-\text{C}(=\text{O})\text{O}^-$
 |
 CH_2
 |
 $\text{C}(=\text{O})-\text{NH}-(\text{CH}_2)_4-\text{NH}_3^+$

Asparagyl-4-aminobutane

Figure 1

Autoradiography After SDS-PAGE of ^{125}I -A β -Derivatives

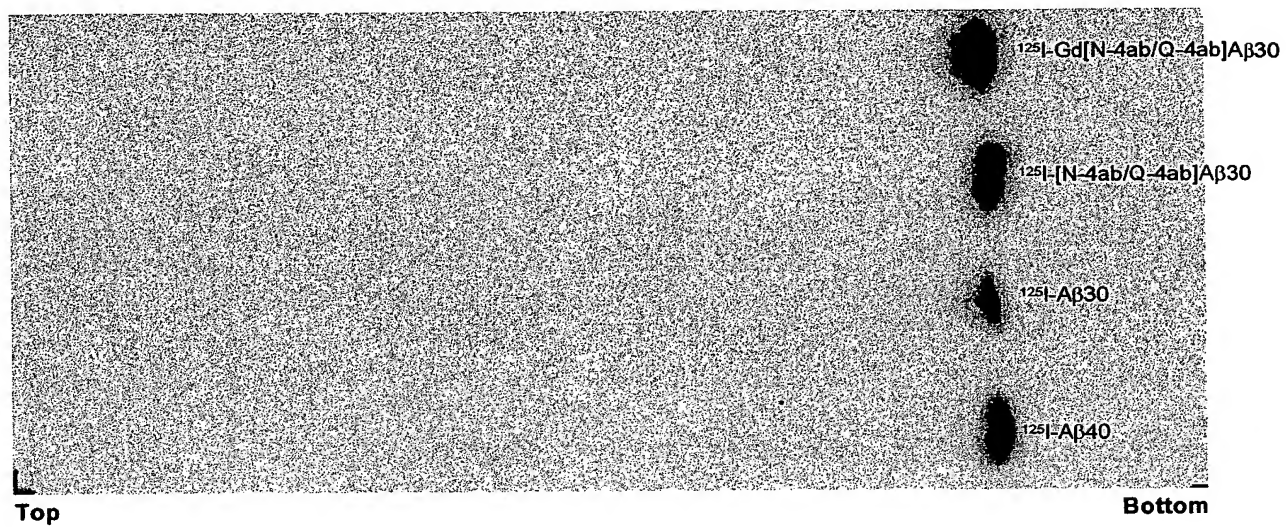


Figure 2

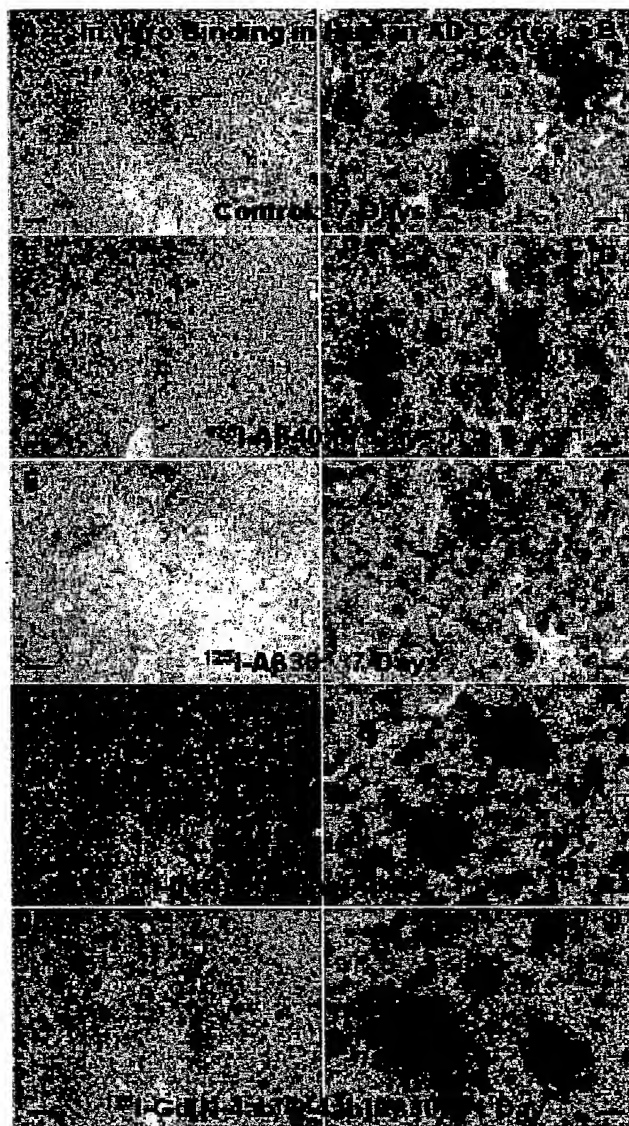


Figure 3

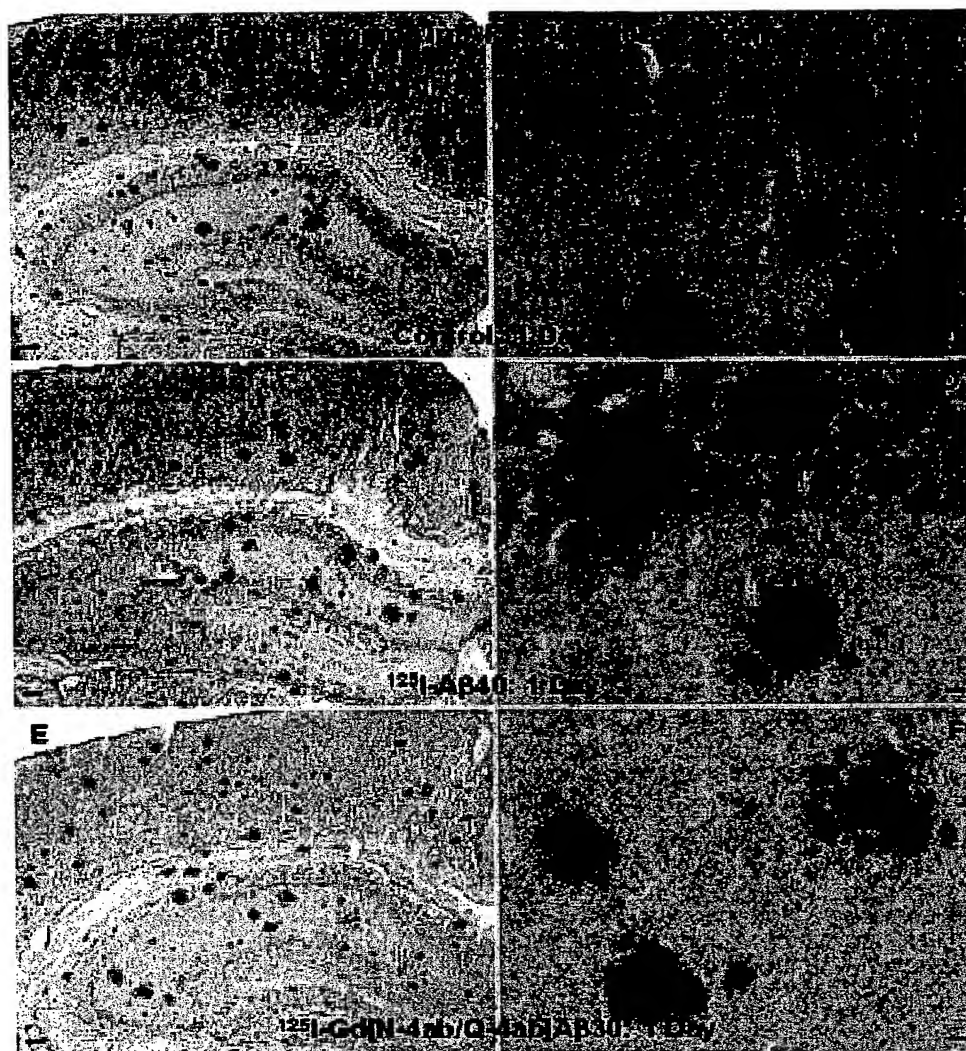


Figure 4

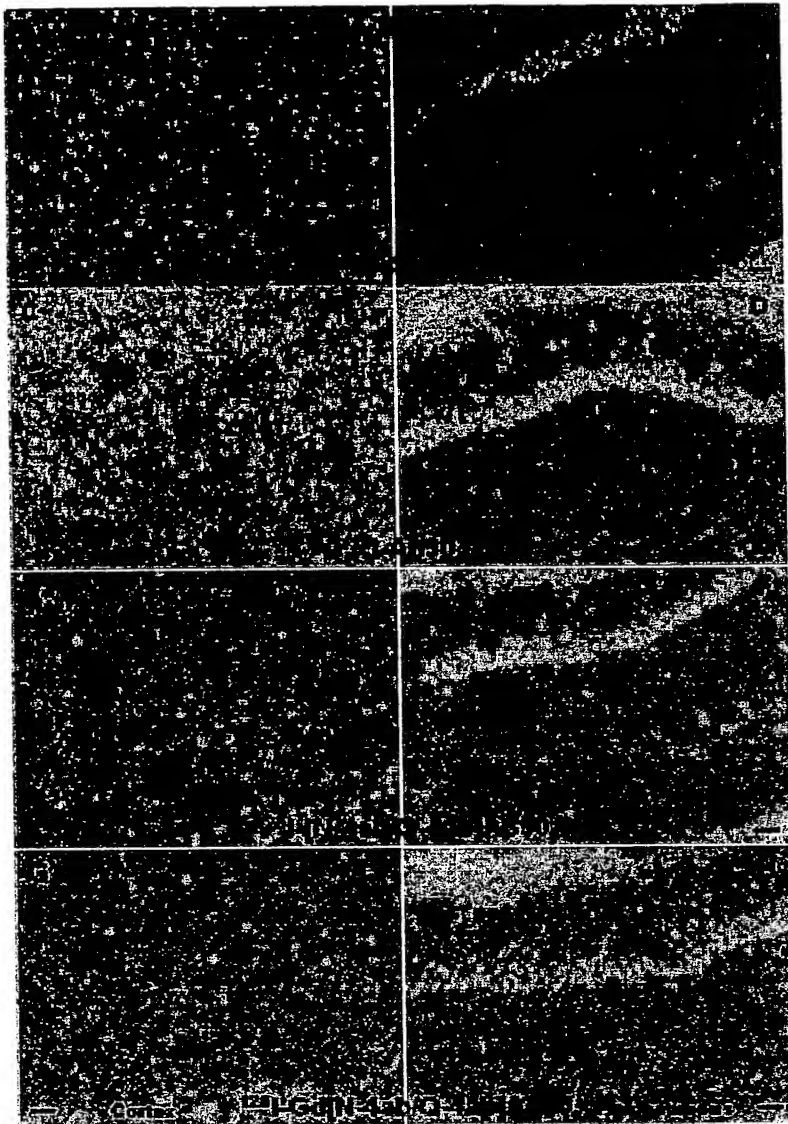


Figure 5

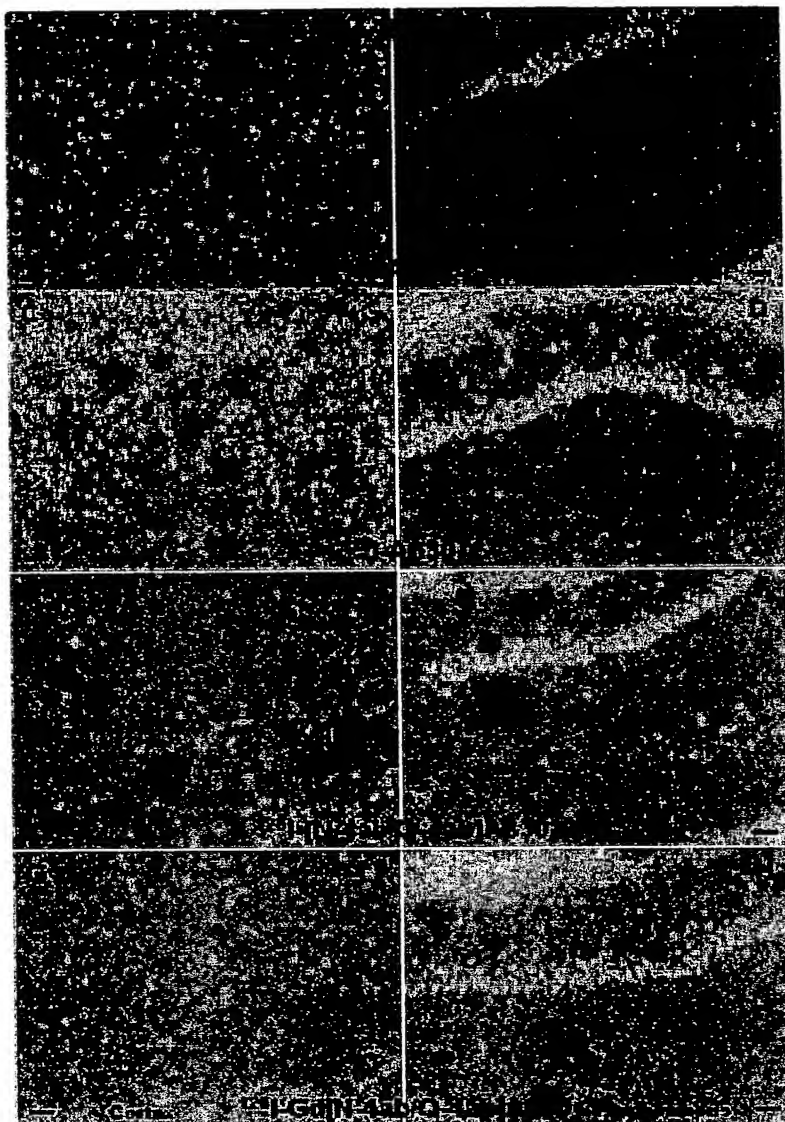


Figure 6

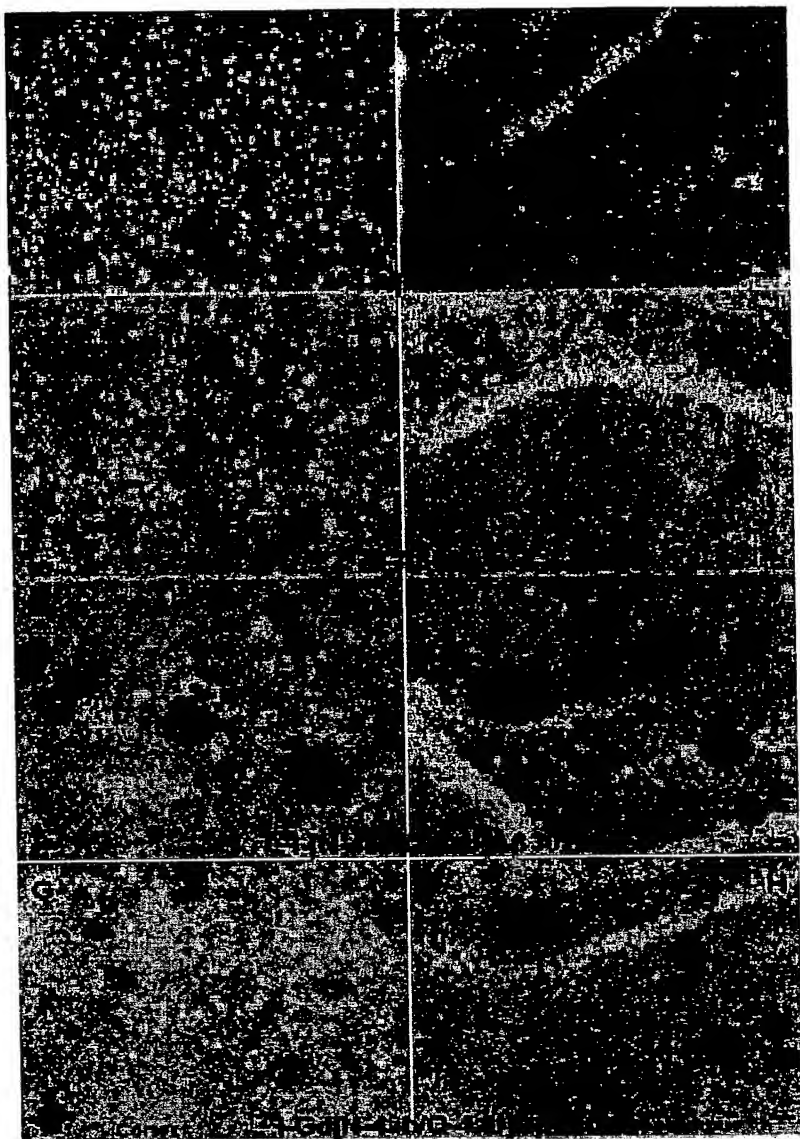


Figure 7

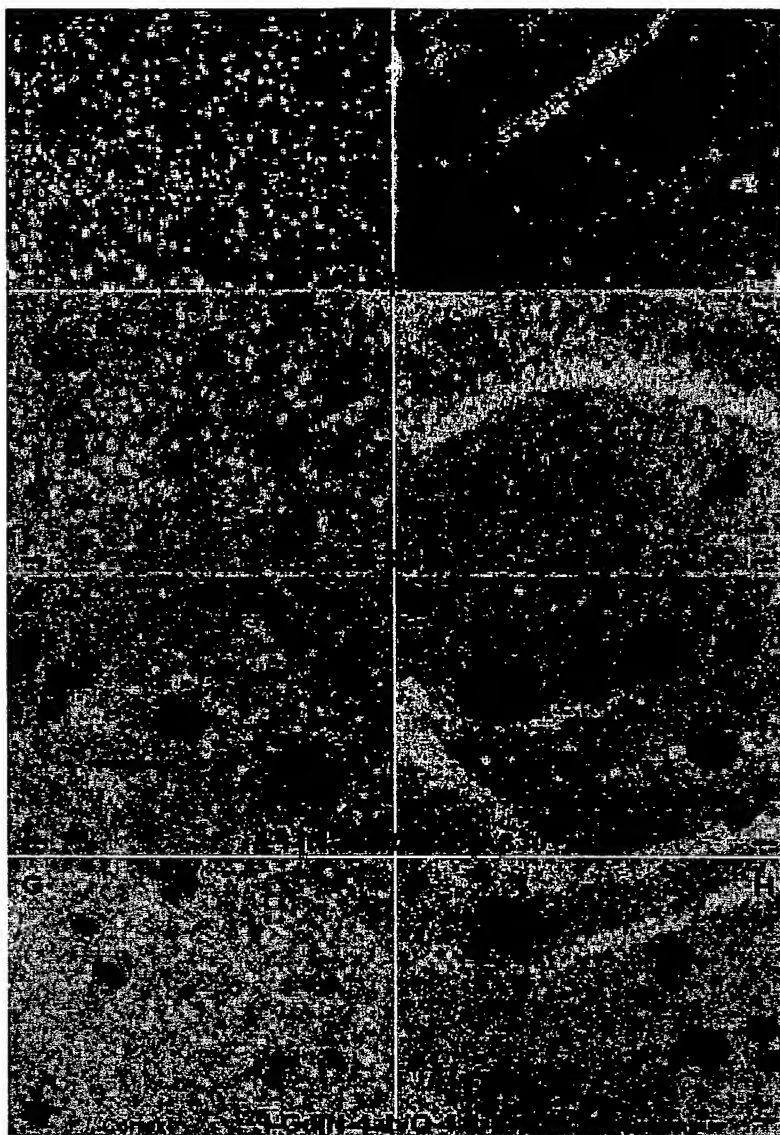


Figure 8

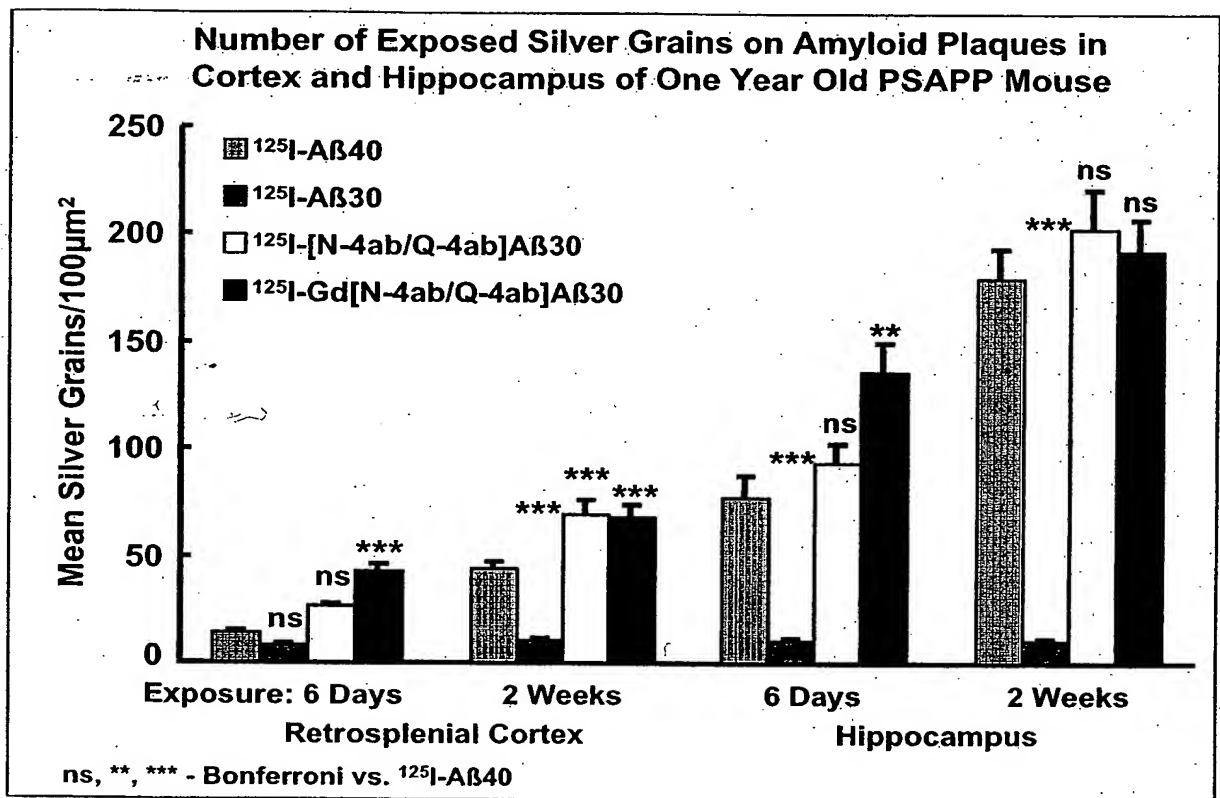


Figure 9